

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

5. Lease Serial No.
Contract 452

1a. Type of Well ☐ Oil Well ☒ Gas ☐ Dry Other
b. Type of Completion: ☐ New ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name
Jicarilla Apache Tribe

7. Unit or CA Agreement Name and No.

2. Name of Operator

Black Hills Gas Resources, Inc. c/o Mike Pippin LLC (Agent)

8. Lease Name and Well No.

Jicarilla 452-08 No. 24

3. Address

3104. N. Sullivan, Farmington, NM 87401

3a. Phone No. (include area code)

505-327-4573

9. API Well No.

30-039-29462

4. Location of Well (Report locations clearly and in accordance with Federal requirements)*

At surface 1400' FNL & 1000' FEL Unit (H) Sec. 8, T29N, R3W

At top prod. interval reported below 1400' FNL & 1000' FEL Unit (H) Sec. 8, T29N, R3W

At total depth 1820' FNL & 1287' FWL Unit (E) Sec. 8, T29N, R3W

East Blanco Pictured Cliffs

11. Sec., T., R., M., or Block and

Survey or Area H 8 T29N R3W

12. County or Parish

Rio Arriba

13. State

NM

14. Date Spudded

10/13/06

15. Date T.D. Reached

10/17/06

16. Date Completed

☐ D & A ☒ Ready to Prod.
11/30/06

17. Elevations (DF, RKB, RT, GL)*

7016' GL & 7029' KB

18. Total Depth: MD 6756'
TVD 3680'

19. Plug Back T.D.: MD 6756'
TVD 3680'

20. Depth Bridge Plug Set:

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
INDUCTION, NEUTRON/DENSITY

22. Was well cored? ☒ No ☐ Yes (Submit copy)
Was DST run? ☒ No ☐ Yes (Submit copy)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24# J-55	0'	313'		240 sx Type G	51	Surf. - Circ.	0'
7-7/8"	5-1/2"	17# J-55	0'	3841'		485, 65/35 POZ	165		0'
						245, 50/50 POZ	64	Surf. - Circ.	0'
4-3/4"	Horizontal hole: 3684' - 6756' MD								

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2-7/8"	MD 3668'-6756'							
2-3/8"	3668'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Pictured Cliffs	3672'	3780'	MD 4237'-67', 4740'-72',		168	
B)			5248'-80', 5745'-76',			
C)			6252'-82', 6725'-56'			

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
MD 4237' - 6756'	Horizontal Open Hole

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Ready	11/30/06	4	→		250				Flowing
Choke Size	Tbg. Press. Flwg. PSI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2"	225		→		1,501				Shut in

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)

OPERATOR

FARMINGTON FIELD OFFICE

DEC 05 2006

ACCEPTED FOR RECORD

RCVD DEC 06 '06
OIL CONS. DIV.
DIST. 3

RECEIVED

070 FARMINGTON

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Pictured Cliffs	3672'	3780'	GAS	San Jose	surface
				Nacimiento	1726'
				Ojo Alamo	2918'
				Fruitland	3582'
				Pictured Cliffs	3672'
				Lewis	3780'

32. Additional remarks (include plugging procedure):

Jicarilla 452-08 #24 PC Horizontal Liner @ MD 3668' - 6756'

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 5. Core Analysis | 7. Other: | |

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Mike Pippin 505-327-4573 Title Petroleum Engineer (Agent)

Signature *Mike Pippin* Date December 1, 2006

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.